



IAP12 Rec'd PCT/PTO 13 JUN 2007

Attorney Docket  
033082M332

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Seishi MURAKAMI, et al.  
Serial No. : 10/584,642 Art Unit : To Be Assigned  
Filed : June 26, 2006 Examiner : To Be Assigned  
For : FORMATION OF TITANIUM NITRIDE FILM

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS  
UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/  
ELECTED OFFICE (DO/EO/US)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

A response to the Notification of Missing Requirements mailed in the above-captioned patent application on February 13, 2007 is due by June 13, 2007 (with a two-month extension of time). In response to the Notification of Missing Requirements, Applicants submit herewith:

- \* A copy of the Notice of Missing Requirements;
- \* English-language translation of application (31 pages of text; 7 sheets of drawing (Figs. 1-8C);
- \* Second Information Disclosure Statement, PTO Form 1449 and cited documents;
- \* Preliminary Amendment;
- \* Petition for Two-Month Extension of Time; and
- \* Check for \$2,140 in payment of the following:

English language surcharge (\$130),  
Petition for Four-Month Extension of Time (\$450),  
16 extra dependent claims (\$800),  
2 extra independent claims (\$400), and  
Multiple dependent fee (\$360).

If any additional fees are due in connection with this filing, such as fees under 37 C.F.R. §§ 1.16 or 1.17, the Commissioner is authorized to charge the fees to SGR Deposit Account No. 02-4300. Please credit any overpayment to SGR Deposit Account No. 02-4300.

Respectfully submitted,  
SMITH, GAMBRELL & RUSSELL, LLP

By : 

Michael A. Makuch, Reg. 32,263  
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Date : June 13, 2007

06/15/2007 MKAYPAGH 00000056 10584642

01 FC:1617	130.00	OP
02 FC:1615	800.00	OP
03 FC:1614	400.00	OP
04 FC:1616	360.00	OP



UNITED STATES PATENT AND TRADEMARK OFFICE

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www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/584,642	Seishi Murakami	33082M332
INTERNATIONAL APPLICATION NO.		
PCT/JP04/19572		
I.A. FILING DATE	PRIORITY DATE	
12/27/2004	12/26/2003	

441  
SMITH, GAMBRELL & RUSSELL  
180 M STREET, N.W., SUITE 800  
WASHINGTON, DC 20036

033082-332

Mag. Requirements due = 4-13-07

CONFIRMATION NO. 5022  
371 FORMALITIES LETTER



\*OC000000022464910\*

Date Mailed: 02/13/2007

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/26/2006
- Copy of the International Search Report filed on 06/26/2006
- Information Disclosure Statements filed on 06/26/2006
- Oath or Declaration filed on 06/26/2006
- Request for Immediate Examination filed on 06/26/2006
- U.S. Basic National Fees filed on 06/26/2006
- Assignment filed on 06/26/2006
- Priority Documents filed on 06/26/2006

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. Note a processing fee will be required if submitted later than 30 months from the priority date.
- Processing fee of \$130 for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).

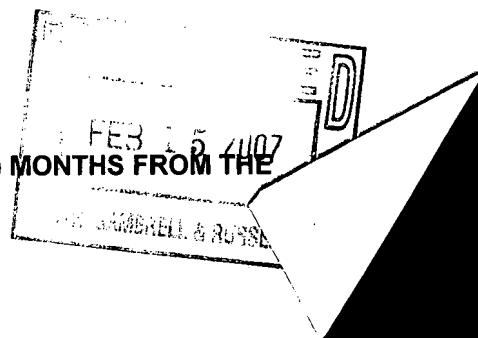
**SUMMARY OF FEES DUE:**

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 for English translation surcharge required.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE**

ROB RLM



**DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION,  
WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

VIRGINIA L IRBY

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Telephone: (703) 308-9140 EXT 229

PART 1 - ATTORNEY/APPLICANT COPY

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U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/584,642	PCT/JP04/19572	33082M332

FORM PCT/DO/EO/905 (371 Formalities Notice)